

Reethu Birthday!!



Problem Statement

It's Reethu's Birthday. On account of this Eve, Her father presented her a string of numbers of length 'L'. Reethu is fond of 'STAR' strings. A 'STAR' string is nothing but a string containing two consecutive zeroes. She wondered if the gift presented by her father is a 'STAR' string or not.

Constraints: $1 \leq L \leq 100000$.

Input Format

The first line of input contains a numerical string.

Output Format

Output 'YES' if the input string is 'STAR', else print 'NO', without quotes.

Sample Input

123001

Sample Output

YES

Explanation

In the given string, it contains two consecutive zeroes. So, it is a 'STAR' string.